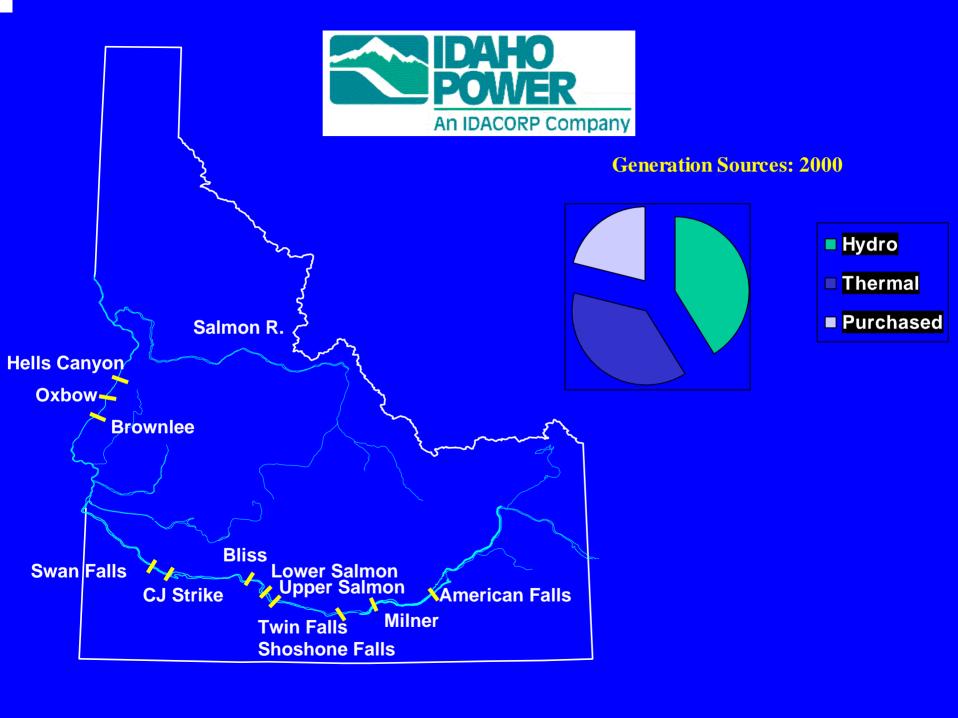
Is There a Need to Modify Existing Water Quality Standards in Hells Canyon?

Ralph Myers
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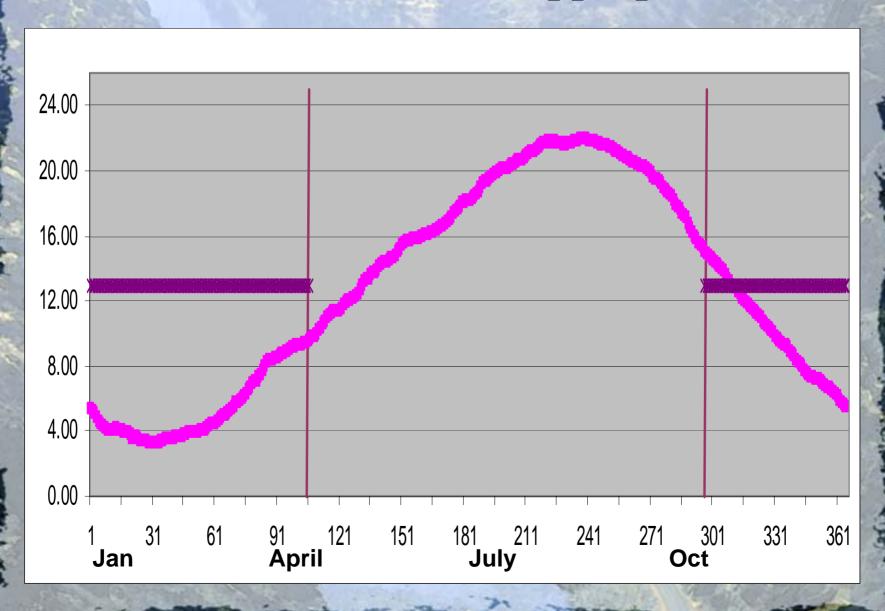




Is The Existing Salmonid Spawning Temperature Standard Appropriate?

- A constant standard is not appropriate
- 13°C is not the right standard

A constant standard is not appropriate



13°C is not the right standard

- Olson and Foster (1955): No better survival at 13°C than 16.1°C.
- Ongoing IPC and Battelle Northwest studies show no difference between 13°C and 15°C
- Hanford Reach of the Columbia River has similar thermal regime to Hells Canyon and supports the strongest spawning population of fall chinook in the Northwest.
- IDEQ has failed to identify any evidence that the fall chinook population below Hells Canyon Dam is impaired by the temporal thermal shift.



- Assumes a 3.0 mg/L difference between water column and intergravel levels
- Does not account for life stage differences

